

Title (en)  
POLYMERIZATION OF CARBON MONOXIDE AND ETHYLENE USING CATALYST CONTAINING NON-COORDINATING, NON-ACIDIC ANION

Title (de)  
FURANDERIVATE ZUR HEMMUNG PNEUMOCYSTIS CARINIS PNEUMONIE, GIARDIA LAMBLIA UND CRYPTOSPORIDIUM PARVUM

Title (fr)  
POLYMERISATION DU MONOXYDE DE CARBONE ET DE L'ETHYLENE A L'AIDE D'UN CATALYSEUR CONTENANT UN ANION NON ACIDE N'ENTRAINANT PAS DE LIAISON COORDINATIVE

Publication  
**EP 0792313 A4 19980218 (EN)**

Application  
**EP 95941395 A 19951113**

Priority  
• US 33909694 A 19941114  
• US 9514833 W 19951113

Abstract (en)  
[origin: US5494998A] Carbon monoxide and ethylene are polymerized in the presence of a catalytically effective amount of a catalyst formed from a Group VIII metal source, such as palladium, a bidentate ligand containing a Group VA or VIA heteroatom, such as phosphorus, and an anion which is a non-coordinating, non-acidic tetrasubstituted anion containing a Group IIIA element, such as boron, with the anion preferably being either an unsubstituted or substituted boron tetraphenyl compound. The catalyst is advantageously formed by the exchange reaction of a ligand-conjugated Group VIII metal salt with a salt containing the non-coordinating, non-acidic tetrasubstituted anion containing the Group IIIA element in a solvent medium which causes the separation (due to differing solubilities) of the desired catalyst from the by-product of the reaction which comprises the anion from salt which was used as the Group VIII metal source and the cation from the salt used as the source of the non-coordinating, non-acidic tetrasubstituted anion containing the Group IIIA element. The resulting polyketone product has novel thermal stability characteristics.

IPC 1-7  
**C08G 67/02**

IPC 8 full level  
**C08G 67/02** (2006.01)

CPC (source: EP US)  
**C08G 67/02** (2013.01 - EP US); **Y10T 428/2913** (2015.01 - EP US)

Citation (search report)  
• [E] EP 0702045 A2 19960320 - SHELL INT RESEARCH [NL]  
• [E] EP 0702046 A2 19960320 - SHELL INT RESEARCH [NL]  
• [X] EP 0590942 A2 19940406 - BP CHEM INT LTD [GB]  
• [XYD] EP 0619335 A1 19941012 - BP CHEM INT LTD [GB]  
• [DY] US 5352767 A 19941004 - CHIEN JAMES C W [US]  
• See references of WO 9615177A1

Designated contracting state (EPC)  
DE FR GB IT NL

DOCDB simple family (publication)  
**US 5494998 A 19960227**; CA 2205266 A1 19960523; EP 0792313 A1 19970903; EP 0792313 A4 19980218; US 5506338 A 19960409; US 5523385 A 19960604; WO 9615177 A1 19960523

DOCDB simple family (application)  
**US 33909694 A 19941114**; CA 2205266 A 19951113; EP 95941395 A 19951113; US 46632195 A 19950606; US 46632295 A 19950606; US 9514833 W 19951113